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DESCRIPTIVE REPORT.

Hydrographic Sheet No. 2551

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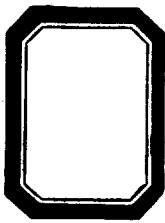
*Cape Henry to Wolf
Trap Light House*

1902

CHIEF OF PARTY:

F. A. Young

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Descriptive Report of Hydrographic Sheet
from Cape Henry to Wolf Trap Pt. Ho. Va. 1902
U.S. C. & G. S. Endicott, Fred. A. Young, Comd'g

This sheet is on a scale of 60,000, and the work was intended to show the changes of depth since the old survey. Lines were run at a distance of three miles apart with the ship Endicott, and angles were taken at an interval of five or ten minutes. The signals used were on triangulation stations recently established, and in most cases it was only necessary to renovate those structures, though a few of them were gone and had to be rebuilt. Four tide stations ^{are} on the sheet; Wolf Trap Pt. Ho., Old Plantation Pt. Ho., York Spit Pt. Ho., and Old Point Comfort. The first three are new stations, and their plane of reference was established by simultaneous observations with Old Point Comfort and Stingray Pt. Ho. which are both old established stations. The corrected ranges of the different tidal stations were as follows. Stingray Pt. ^{Ho.} 1.12. Wolf Trap Pt. 1.32. Old Plantation Pt. 2.46. York Spit Pt. 2.09. and Old Point

Comport, E. 54. These differences in ranges made the work of reducing the soundings rather complex, and in many cases it was necessary to use the mean of two different gauges. The sounding lines run show that there has been little change in the main ship channel since the last survey, though many of the spits and inshore shoals ought to be resurveyed.

Respectfully Submitted
Fred. A. Young
Assistant to S. B. Bunn
Comdr. U. S. S. Endeavour